What is claimed is:

1	1. A system for pre-compiling a source cursor into a target library			
2	cache, comprising:			
3	at least one source cursor stored in a source library cache, each source			
4	cursor comprising a statement with a shareable part and a non-shareable part;			
5	an extraction process selectively copying the source cursor by extracting			
6	the shareable part of the statement from the source library cache; and			
7	a compilation process pre-compiling the shareable part of the extracted			
8	source cursor into a target cursor without execution.			
1	2. A system according to Claim 1, further comprising:			
2	a lookup function creating a hash value from a text statement			
3	corresponding to the extracted source cursor, comparing the hash value to a set of			
4	target cursors stored in the target library cache and retrieving a reference pointer			
5	upon locating a matching target cursor.			
1	3. A system according to Claim 2, further comprising:			
2	a build function requesting a context area upon failing to locate a matchin			
3	target cursor, loading the requested context area and building a new target cursor			
4	in the target library cache.			
1	4. A system according to Claim 1, further comprising:			
2	a parent cursor storing the target cursor as a parsed representation of a tex	ct		
3	statement corresponding to the extracted source cursor, the parent cursor			
4	comprising at least one child cursor.			
1	5. A system according to Claim 4, further comprising:			
2	for each session, the compilation process creating at least one child curson	r		
3	for each text statement having identical text and different objects.			
1	6. A system according to Claim 4, further comprising:			
2	for each session, the compilation process creating at least one child cursor	r		
3	for each text statement having different session environments.			

1	7. A system according to Claim 1, further comprising:		
2	a target node asynchronously warming the target library cache prior to a		
3	switchover.		
1	8. A system according to Claim 1, further comprising:		
1	•		
2	a target node asynchronously warming the target library cache prior to an		
3	unplanned failover.		
1	9. A system according to Claim 1, wherein the extraction process		
2	extracts data selected from the group consisting of at least one of statement text		
3	statement type, parsing user and parsing schema; parsing session environment;		
4	parsed representation and execution plan; and bind variable data.		
1	10. A system according to Claim 1, wherein the extracted statement is		
2	written in a structured database language comprising at least one of SQL and		
3	PL/SQL.		
1	11. A method for pre-compiling a source cursor into a target library		
2	cache, comprising:		
3	storing at least one source cursor in a source library cache, each source		
4	cursor comprising a statement with a shareable part and a non-shareable part;		
5	selectively copying the source cursor by extracting the shareable part of		
6	the statement from the source library cache; and		
7	pre-compiling the shareable part of the extracted source cursor into a		
8	target cursor without execution.		
1	12. A method according to Claim 11, further comprising:		
2	creating a hash value from a text statement corresponding to the extracted		
3	source cursor;		
4	comparing the hash value to a set of target cursors stored in the target		
5	library cache; and		
6	retrieving a reference pointer upon locating a matching target cursor.		

1	13. Ar	nethod according to Claim 12, further comprising:	
2	requesting a context area upon failing to locate a matching target cursor;		
3	loading the requested context area; and		
4	building a new target cursor in the target library cache.		
1	14. A 1	nethod according to Claim 11, further comprising:	
2	storing the	target cursor as a parsed representation of a text statement	
3	corresponding to the extracted source cursor, the target cursor comprising a paren		
4	cursor and at least one child cursor.		
1	15. A	method according to Claim 14, further comprising:	
2	for each session, creating at least one child cursor for each text statement		
3	having identical text and different objects.		
1	16. A	method according to Claim 14, further comprising:	
2	for each session, creating at least one child cursor for each text statement		
3	having different session environments.		
1	17. A	method according to Claim 11, further comprising:	
2	asynchron	ously warming the target library cache prior to a switchover.	
1	18. A	method according to Claim 11, further comprising:	
2	asynchror	ously warming the target library cache prior to an unplanned	
3	failover.		
1	19. A	method according to Claim 11, further comprising:	
2	extracting	data selected from the group consisting of at least one of	
3	statement text, statement type, parsing user and parsing schema; parsing session		
4	environment; par	sed representation and execution plan; and bind variable data.	
1	20. A	method according to Claim 11, wherein the extracted statement	
2	is written in a str	uctured database language comprising at least one of SQL and	
3	PL/SQL.		

1	21. A computer-readable storage medium nording code for performing		
2	the method according to Claim 11.		
1	22. A system for staging a pre-compiled cursor in a warmed instance		
2	cache, comprising:		
3	a hash value created from a source cursor extracted from a source library		
4	cache, the source cursor comprising a shareable part and a non-shareable part;		
5	a compilation process comparing the hash value to one or more target		
6	cursors maintained in a target library cache and retrieving a reference pointer to		
7	an address of a matching target cursor.		
1	23. A system according to Claim 22, further comprising:		
2.	an open function opening a cursor definition entry in the target library		
3	cache.		
1	24. A system according to Claim 23, further comprising:		
2	a parse function instantiating the target cursor into the target library cach		
1	25. A system according to Claim 24, further comprising:		
2	a bind function binding each input variable in the shareable part of the		
3	target cursor.		
1	26. A system according to Claim 25, further comprising:		
2	a describe function describing type definitions for each input variable in		
3	the target cursor without execution.		
1	27. A system according to Claim 26, further comprising:		
2	a close function closing the target cursor.		
1	28. A method for staging a pre-compiled cursor in a warmed instance		
2	cache, comprising:		
3	creating a hash value from a source cursor extracted from a source librar		
4	cache, the source cursor comprising a shareable part and a non-shareable part;		

5	comparing the hash value to one or more target cursors maintained in a		
6	target library cache; and		
7	retrieving a reference pointer to an address of a matching target cursor.		
1	29. A method according to Claim 28, further comprising:		
2	opening a cursor definition entry in the target library cache.		
1	30. A method according to Claim 29, further comprising:		
2	instantiating the target cursor into the target library cache.		
1	31. A method according to Claim 30, further comprising:		
2	binding each input variable in the shareable part of the target cursor.		
1	32. A method according to Claim 31, further comprising:		
2	describing type definitions for each input variable in the target cursor		
3	without execution.		
1	33. A method according to Claim 32, further comprising:		
2	closing the target cursor.		
1	34. A computer-readable storage medium holding code for performing		
2	the method according to Claim 28.		
1	35. A method, comprising:		
2	executing a database statement in a first database instance;		
3	sending the database statement from the first database instance to a second		
4	database instance;		
5	in the second database instance, generating and storing a structure		
6	required to prepare the database statement for execution in the second database		
7	instance;		
8	receiving from a user or application a request to execute the database		
9	statement in the second database instance; and		
10	after receiving the request, using the structure to execute the database		
11	statement in the second database instance.		

1	36.	A method according to Claim 35, wherein the structure is a parse	
2	tree for the database statement.		
1	37.	A method according to Claim 35, wherein the structure is an	
2	execution plan for the database statement		
1	38.	A method according to Claim 35, the sending operation occurs in	
2	anticipation of a planned shutdown of the first database instance.		
1	39.	A method according to Claim 35, wherein the sending operation	
2	occurs in anticipation of an unplanned shutdown of the first database instance tha		
3	may possibly occur in the future.		
1	40.	A method, comprising:	
2	receiving a database statement for execution in a first database instance;		
3	generating in the first database instance, a structure required to prepare the		
4	database state	ement for execution;	
5	executing the first database statement in the first database instance;		
6	sending the structure from the first database instance to a second database		
7	instance;		
8	receiving from a user or application a request to execute the database		
9	statement in the second database instance; and		
10	after receiving the request, using the structure to execute the database		
11	statement in the second database instance.		
1	41.	A method according to Claim 40, wherein the structure is a parse	
2	tree for the d	atabase statement.	
1	42.	A method according to Claim 40, wherein the structure is an	
2	execution pia	an for the database statement.	
1	43.	A method according to Claim 40, the sending operation occurs in	
2	anticipation of a planned shutdown of the first database instance.		

- 1 44. A method according to Claim 40, wherein the sending operation
- 2 occurs in anticipation of an unplanned shutdown of the first database instance that
- 3 may possibly occur in the future.